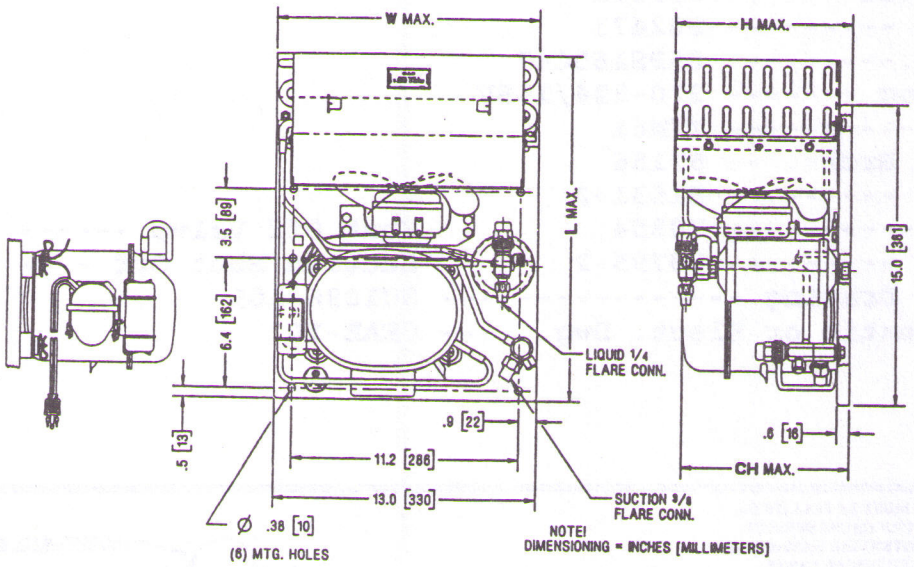
TECUMSEH HERMETIC CONDENSING UNITS

Date: April 1, 1997

MODEL AEA9422ZXAXA (Formerly AE9422ZA) R-404A 1/4 HP AIR COOLED



Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AEA9422ZXAXA	17.9	13.0	8.9	8.5	3/8 F	3/8 F	—	210	10	48

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - **MUST BE EVACUATED**

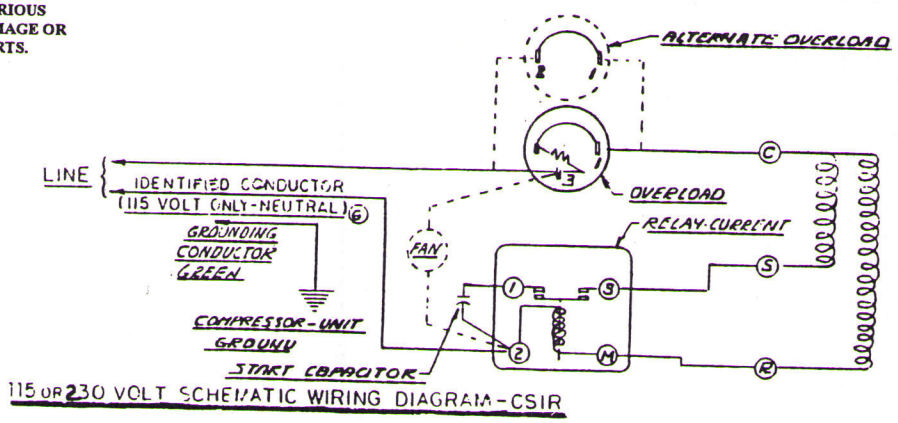
Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-10	23.9	1240	415	260	1070	420	295	920	425	335
-5	28.2	1380	440	270	1200	445	305	1020	450	340
0	32.8	1540	460	280	1330	470	315	1140	480	350
5	37.9	1700	490	290	1470	505	325	1260	520	360
10	43.3	1860	525	300	1610	540	335	1380	555	370
15	49.2	2030	560	310	1750	575	345	1510	590	385
20	55.5	2200	590	320	1900	610	360	1640	625	395
25	62.2	2380	630	335	2060	645	370	1770	665	405
30	69.5	2570	665	345	2220	685	385	—	—	—
35	77.2	2770	705	360	2380	725	395	—	—	—
40	85.5	2980	740	375	—	—	—	—	—	—
45	94.3	3220	780	390	—	—	—	—	—	—

Return gas temp. 20 ° F max superheat above 20°F evap,
40°F max below 20°F evap, 5°F subcooling

SPECIFICATIONS	AEA9422ZXAXA
Nominal Voltage	115-60-1
Unit B/M	2C460-9
Voltage Range	126.5 to 103.5
Min. Circuit Ampacity	8.8
Max. Fuse Size (Amps)	15
Compressor Model	AEA9422ZXA
Bill of Material	AE590AT-900
RLA/LRA	6.7/40.0
Fan RLA	.50
ESP Overload	P83503
ESP Relay	P82473
Start Cap.	85PS165C47
Rating	270-324/165V
Fan Motor	TFM61
Fan Motor Brckt.	57156
Fan Blade	51531-2
Shroud	70854
Condenser	50795-2
Unit Drawing	SU1896-109
Schematic or Elect. Dwg.	DEAE-10

Shut Off Valve	56533 (3/8")
Suction Shut Off	56501-1 (3/8")

WARNING-WIRING DIAGRAM MUST BE FOLLOWED AS SHOWN. ANY MISWIRING CAN CAUSE SERIOUS ELECTRICAL HAZARD AND POTENTIAL DAMAGE OR RUPTURE OF COMPONENT ELECTRICAL PARTS.



1. WHEN FAN IS USED HOOK UP AS SHOWN.
2. IDENTIFIED CONDUCTOR-MAY BE WHITE OR RIBBED (115 VOLT ONLY-NEUTRAL).
3. ASSEMBLE PARTS AS SHOWN IF SPECIFIED ON B/M.

DEAE-10

U.L. Listed ----------File #SA2372 ----------Card Guide #SGYU
CSA Certified ----------Canadian File #12964C ----------USA File #8873C